



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Re: Attorney Docket No. Wang 2

In re application of: Zhenyu Wang

Serial No.: 09/324,304

Group Art Unit: 2631

Filed: 06/02/99

Examiner: Williams, Demetria

Matter No.: 992.1077

Phone No.: 703-305-4078

For: Constellation Design for Modem Receiver

AMENDMENT UNDER 37 CFR 1.116

**RECEIVED**

**FEB 26 2003**

**Technology Center 2600**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the final office action of 12/23/02, please amend the application as follows:

IN THE CLAIMS

Amend claim 20 as follows:

20. (Twice amended) A receiver for identifying a transmitted message based upon a received signal, the receiver comprising:

a processor for generating a constellation design having a minimum threshold and a maximum threshold for each of a plurality of possible signal levels, the minimum and maximum thresholds for each possible signal level representing a range, wherein the sizes of the ranges are different for at least two of the [that may differ between] possible signal levels, and

a comparator that identifies the transmitted message by comparing the received signal with the generated constellation design and that generates an output signal representative of the transmitted message.

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Certification Under 37 CFR 1.8

Date of Deposit 02/18/2003

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail under 37 CFR 1.8 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Amy Laudenslager  
(Name of person mailing)

Amy Laudenslager  
(Signature of person mailing)